Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1 1 (Original). A surface treatment apparatus comprising: 2 a sheet heating unit which heats a sheet having at least a base, a 3 thermoplastic resin layer, and an image recording layer on the base; 4 a contact member for transferring a surface quality thereof to a 5 surface of the image recording layer and an interface of the thermoplastic 6 resin layer facing the image recording layer of the sheet; and 7 a sheet cooling unit which cools the sheet while in contact with the 8 contact member. 2 (Original). A surface treatment apparatus according to Claim 1, wherein 1 2 the apparatus comprises: 3 a plurality of contact members having different surface qualities; 4 and 5 a contact member selecting unit which selects a contact member 6 having a desired surface quality from the plurality of contact members 7 having different surface qualities. 1 3 (Original). A surface treatment apparatus according to Claim 2, wherein 2 the contact member is a member selected from a roller, an endless belt, and 3 a texture sheet. 1 4 (Original). A surface treatment apparatus according to Claim 2, wherein 2 a surface quality of the contact member is varied so that one of a gloss 3 treatment, a matt treatment, and an embossed treatment is given to the 4 sheet. 1 5 (Original). A surface treatment apparatus according to Claim 2, 2 comprising a user information providing unit for providing user

3 information containing the contact member surface quality data. 1 6 (Original). A surface treatment apparatus according to Claim 5, wherein, 2 in the contact member selecting unit, a desired surface quality is selected 3 based on user information provided by the user information providing unit. 1 7 (Withdrawn). A surface treatment apparatus according to Claim 1, 2 further comprising a treatment control unit which controls treatment 3 conditions of at least one of the sheet heating unit and the sheet cooling 4 unit. 1 8 (Withdrawn). A surface treatment apparatus according to Claim 7, 2 wherein the treatment control unit comprises: 3 a magazine ID identification unit which identifies a magazine ID of a 4 magazine housing the sheet; and a treatment conditions selecting unit which selects a treatment condition 5 6 corresponding to the magazine ID identified by the magazine ID 7 identification unit. 1 9 (Withdrawn). A surface treatment apparatus according to Claim 8, 2 wherein the treatment condition selecting unit selects treatment conditions 3 from among plural treatment modes comprising at least one selected from 4 a heating temperature in the sheet heating unit, a pressure force, a heating 5 time, and a pressurizing time, a cooling temperature in the sheet cooling 6 unit, and a cooling time. 1 10 (Withdrawn). A surface treatment apparatus according to Claim 9, 2 wherein the magazine ID is assigned for each sheet type. 1 11 (Withdrawn). A surface treatment apparatus according to Claim 7, 2 wherein the treatment control unit comprises an operation screen display 3 unit which displays a screen permitting selection of treatment conditions.

1 12 (Withdrawn). A surface treatment apparatus according to Claim 11, 2 wherein the operation screen display unit displays a screen which permits 3 selection of a quality comprising at least one of gloss and matt as the 4 quality after surface treatment of the sheet. 1 13 (Withdrawn). A surface treatment apparatus according to Claim 11, 2 wherein the operation screen display unit displays a screen which permits 3 selection of a sheet type. 14 (Withdrawn). A surface treatment apparatus according to Claim 1, 1 2 wherein the sheet heating unit heats the sheet in contact with the contact 3 member. 1 15 (Withdrawn). A surface treatment apparatus according to Claim 14, 2 wherein the sheet heating unit heats to a temperature equal to or higher 3 than the softening point of a thermoplastic resin in the thermoplastic resin 4 layer. 1 16 (Withdrawn). A surface treatment apparatus according to Claim 15, 2 wherein the sheet heating unit heats the sheet to a temperature of from 3 80 °C to 120 °C. 1 17 (Withdrawn). A surface treatment apparatus according to Claim 15, 2 wherein the contact member pressures the sheet to a pressure of from 3 7 kgf/cm² to 20 kgf/cm². 1 18 (Withdrawn). A surface treatment apparatus according to Claim 15, 2 wherein the sheet cooling unit cools to a temperature less than the 3 softening point of a thermoplastic resin in the thermoplastic resin layer.

1 19 (Withdrawn). A surface treatment apparatus according to Claim 15, wherein the sheet heating unit comprises: 2 3 the endless belt; and 4 a pair of heat rollers disposed so as to place the endless belt in 5 pressure contact from its inner side and outer side. 1 20 (Withdrawn). A surface treatment apparatus according to Claim 15, 2 wherein the sheet cooling unit is disposed between the pair of heat rollers 3 and the rotation roller suspending the endless belt free to rotate together 4 with the pair of heat rollers, and in the vicinity of the endless belt. 1 21 (Withdrawn). A surface treatment apparatus according to Claim 20, 2 wherein the treatment control unit adjusts a cooling time due to the sheet 3 cooling unit by varying a distance between the pair of heat rollers and the 4 rotation roller, so as to vary the time for which the sheet and endless belt 5 are in contact. 1 22 (Withdrawn). A surface treatment apparatus according to Claim 21, 2 wherein the distance between the pair of heat rollers is varied by displacing 3 the rotation roller and a suspension roller which suspends the endless belt 4 free to rotate together with the rotation roller. 1 23 (Withdrawn). A surface treatment apparatus according to Claim 20, 2 wherein the sheet cooling unit cools the sheet by blowing cold air. 1 24 (Withdrawn). A surface treatment apparatus according to Claim 20, 2 wherein the treatment control unit adjusts a cooling temperature due to the 3 sheet cooling unit by varying a blowing rate of the cold air produced by the 4 sheet cooling unit. 1 25 (Withdrawn). A surface treatment apparatus according to Claim 15, 2 wherein the sheet heating unit comprises:

| 3 | an inner heat roller disposed inside the endless belt which suspends |
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| 4 | the endless belt together with a rotation roller disposed on the inner side of |
| 5 | the endless belt so that the belt is free to rotate; and |
| 6 | an outer heat roller disposed outside the endless belt which grips |
| 7 | the endless belt together with the inner heat roller so that the belt is free to |
| 8 | rotate. |
| | |
| 1 | 26 (Withdrawn). A surface treatment apparatus according to Claim 1, |
| 2 | wherein the sheet heating unit comprises a sheet preheating part which |
| 3 | preheats the sheet and the apparatus transfers a surface quality of the |
| 4 | contact member to the sheet heated by the sheet preheating part. |
| | |
| 1 | 27 (Withdrawn). A surface treatment apparatus according to Claim 26, |
| 2 | wherein the sheet preheating part heats the sheet while the sheet treatment |
| 3 | surface is in contact with the endless belt. |
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| 1 | 28 (Withdrawn). A surface treatment apparatus according to Claim 27, |
| 2 | wherein the sheet preheating part is disposed on the roller surface of the |
| 3 | inner heat roller via the endless belt. |
| | |
| 1 | 29 (Withdrawn). A surface treatment apparatus according to Claim 27, |
| 2 | wherein the sheet preheating part is disposed on the rotating endless belt, |
| 3 | and further upstream than the inner heat roller and the outer heat roller. |
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| 1 | 30 (Withdrawn). A surface treatment apparatus according to Claim 27, |
| 2 | wherein the sheet preheating part comprises a transport unit which |
| 3 | transports the sheet while in contact with the endless belt. |
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| 1 | 31 (Withdrawn). A surface treatment apparatus according to Claim 30, |
| 2 | wherein the transport unit comprises a heating mechanism. |

| 1 | 32 (Withdrawn). A surface treatment apparatus according to Claim 31, |
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| 2 | wherein the transport unit comprises: |
| 3 | a contact belt which brings the sheet into contact with the endless |
| 4 | belt; and |
| 5 | rotation rollers disposed on an inner side of the contact belt which |
| 6 | suspend the belt such that it is free to rotate. |
| 1 | 33 (Withdrawn). A surface treatment apparatus according to Claim 32, |
| 2 | wherein one of the rotation rollers is the outer heat roller. |
| 1 | 34 (Withdrawn). An image recording apparatus comprising: |
| 2 | an image recording unit which forms an image on a sheet; and |
| 3 | a surface treatment unit which performs surface treatment on the sheet, |
| 4 | wherein the surface treatment unit is a surface treatment apparatus |
| 5 | comprising: |
| 6 | a sheet heating unit which heats a sheet having at least a base, a |
| 7 | thermoplastic resin layer, and an image recording layer on the base; |
| 8 | a contact member; and |
| 9 | a sheet cooling unit which cools the sheet while in contact with the |
| 10 | contact member, |
| 11 | wherein the apparatus transfers a surface quality of the contact |
| 12 | member to a surface of the image recording layer and an interface of the |
| 13 | thermoplastic resin layer facing the image recording layer of the sheet. |
| 1 | 35 (Withdrawn). An image recording apparatus according to Claim 34, |
| 2 | wherein the image recording unit records the image on the sheet |
| 3 | whereupon surface treatment has been performed by the surface treatment |
| 4 | unit. |
| 1 | 36 (Withdrawn). An image recording apparatus according to Claim 34, |
| 2 | wherein the surface treatment unit performs surface treatment on the sheet |
| 3 | whereupon the image has been formed by the image forming unit |